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INTEL® QUAD CORE™ I7 PROCESSOR TECHNOLOGY

Whether you're a serious multitasker or a multimedia enthusiast, performance matters. Unlock your full potential with the smart performance of the new Quad Core Intel® Core™ i7 processor, the top-of-the-line of Intel's family of processors.

Thanks to Intel® Turbo Boost Technology, the Intel® Core™ i7 Processor automatically adapts to whatever you are doing on your PC, dialing up speed to respond quickly to your needs. It also features Intel® Hyper-Threading Technology[12] which enables each of the 4 cores of your processor to work on two tasks at the same time (that's 8-way multitasking), delivering the performance you need for smart multitasking.

DEDICATED GRAPHICS

An NVIDIA® GeForce® dedicated graphics card allows you to experience the power of high-definition graphics processing. Experience intense gaming action with spectacular performance with the NVIDIA® GeForce® 310M with 512MB dedicated with Direct X support for today's latest video games.

ONE SLEEK PACKAGE

Enjoy the ultimate in performance and multimedia entertainment with this powerful 16.4" widescreen laptop. Add to that an Intel® Core™ i7 processor, DVD drive, and NVIDIA® GeForce® 310M for gaming enthusiasts; you'll have everything you need in one sleek package.

Maximum performance and amazing HD entertainment on a top-notch 16.4" widescreen laptop with a backlit keyboard and integrated number pad. With quad core Intel® Core™ i7 processor, dedicated NVIDIA® GeForce® graphics, and a DVD drive, experience intense gaming, the ultimate in smart performance and a razor-sharp picture.

Faster. Smarter.

Windows 7

EPEAT SILVER

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Specifications

General

Action Buttons: VAIO, ASSIST, Wireless On/Off, S1, Display Off, Play / Pause / Stop

Pointing Device: Electrostatic Touchpad (Multi-Finger)

Hardware

Keyboard: QWERTY, 103 keys with 2.0mm stroke and 19.05mm pitch

Camera: Built-in MOTION EYE® camera and microphone

10-Key Numeric Pad: Yes

Backlit Keyboard: Yes

Processor

Type: Intel® Core™ i5-480M

Speed: 2.66GHz[1] with Turbo Boost Technology[11] up to 2.93GHz[1]

Technology: Dual Core

Cache: 3MB

Memory

Installed: 4GB (2GB x 2)

Maximum: 8GB

Type/Speed: DDR3-1066MHz

Hard Drive

Capacity: 750GB[2]

Type: HDD

Optical Drive

Type: DVD SuperMulti Drive

Audio

Sound System: Intel® High Definition Audio with Dolby® Home Theater Technology

Display

Screen Size: 16.4"

Resolution: 1600 x 900

Back Light Technology: CCFL

Graphics

Processor: NVIDIA® GeForce® 310M

Video RAM: 512MB dedicated

Inputs and Outputs

Headphone Jack: 1

Memory Stick® Media Slot: 1

Microphone Input: 1

VGA Output(s): 1

DC-In: 1

e-SATA: 1

HDMI™ Output(s): 1

Express Card®/34 Slot: 1

Secure Digital (SD) Slot: 1

USB 2.0: 1

USB 3.0: 2

Power

Battery Type: Standard Capacity Lithium-Ion Battery

DVD Playback: up to 1.5 hours[4]

Default Brightness: up to 3.0 hours[4]

Maximum Brightness: up to 2.5 hours[4]

Start-up Times

Average Boot Time: 60 seconds

Average Resume Time from Suspend: 2 seconds

First Boot Time: 5 minutes

Wireless/Networking

Ethernet Protocol: 10baseT/100baseTX/1000baseT

Bluetooth® Technology: Bluetooth Integrated Stereo A2DP (2.1 + EDR)

WiFi Adapter: Intel® 802.11a/b/g/n + WiMAX

WiMAX Ready: Yes (where available)

Software

Operating System: Genuine Windows® 7 Home Premium 64-bit

Supplied Software: Microsoft® Office Starter[6] with reduced-functionality versions of Word and Excel, VAIO Care™ , Media Gallery™ , PMB - VAIO Edition[5]

Anti-Virus Software: Norton Internet Security™ 2011 30-Day Trial Offer[7]

Service and Warranty Information

Onsite/In-Home Service: Yes[8]

International Service: Yes

Limited Warranty Term: 1 Year Limited Warranty. See actual warranty for details.

Environmental Information

EPEAT™ : Silver

RoHS®: Compliant

ENERGY STAR®: 5.0

Dimensions

Weight: 6.4 lbs. (with Standard Capacity Battery)

Measurements: 15.3" (W) x 1.22-1.62" (H) x 10.4" (D)

Supplied Accessories

Standard Capacity Lithium-Ion Battery (5000mAh), AC Adapter, Power Cord

Color: Black

1. GHz denotes microprocessor internal clock speed and may vary.
2. 1 GB = 1 billion bytes. Actual formatted capacity will be less.
3. Viewable area measured diagonally.
4. Estimates only based upon Sony engineering testing. Actual performance will vary based on notebook settings, environmental conditions, and usage. Battery capacity decreases over time and use.
5. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the aplicable software vendor. Long distance charges may apply.
6. This PC is preloaded with reduced-functionality versions of Word and Excel that include advertising. Purchase an Office 2010 Product Key to activate full-featured Office software on this PC.
7. Norton Internet Security™ 2011 30-day subscription is pre-installed on your Sony VAIO PC. You need to activate the software for the product to work. After your 30-days are finished, buy Norton Internet Security to continue to be protected from viruses, hackers and identify theft.
8. Availability may be limited. See limited warranty for details.
9. HDMI cable sold separately.
10. Excluding end user interaction.
11. Requires TV adapter and compatible television. Does not support Blu-ray® disc or other protected content playback.
12. Requires a system with Intel® Turbo Boost Technology capability. Intel Turbo Boost Technology 2.0 is available only on 2nd generation Intel® Core™ i5 and i7 processors. Performance varies depending on hardware, software and system configuration.
13. Available on select Intel® Core™ processors. Requires an Intel® HT Technology enabled system. Performance will vary depending on the specific hardware and software used.
14. Mobile broadband service sold separately.
15. Compatible camera and supporting media sold separately.
16. Allocation of system memory to graphics varies depending on operating condition, version of device driver and total system memory size.

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